

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference SCJ-15 WO	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/JP 99/ 03942	International filing date (day/month/year) 22/07/1999	(Earliest) Priority Date (day/month/year)
Applicant JOHNSON PROFESSIONAL CO., LTD. et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 2 sheets.

☒ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☐ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP 99/03942

A. CLASSIFICATION OF SUBJECT MATTER
 IPC 7 C09G1/04 C09G1/16

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
 IPC 7 C09G

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category °	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US 5 676 741 A (ROHM AND HAAS COMPANY) 14 October 1997 (1997-10-14) abstract column 9, line 38 -column 10, line 46 ----	1
A	DE 42 43 471 A (HENKEL-ECOLAB) 23 June 1994 (1994-06-23) claims ----	1
A	EP 0 449 263 A (JAPAN SYNTHETIC RUBBER CO.) 2 October 1991 (1991-10-02) examples 5-8,11; table 1 -----	

☐ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance
 "E" earlier document but published on or after the international filing date
 "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
 "O" document referring to an oral disclosure, use, exhibition or other means
 "P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

15 October 1999

Date of mailing of the international search report

28/10/1999

Name and mailing address of the ISA

European Patent Office, P.B. 5818 Patentlaan 2
 NL - 2280 HV Rijswijk
 Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,
 Fax: (+31-70) 340-3016

Authorized officer

Girard, Y

INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

PCT/JP 99/03942

Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5676741	A	14-10-1997	US 5574090 A	12-11-1996
			AT 164171 T	15-04-1998
			AU 645536 B	20-01-1994
			AU 6925891 A	08-08-1991
			CA 2033639 A	17-07-1991
			CN 1053440 A,B	31-07-1991
			CS 9100090 A	15-09-1991
			DE 69129079 D	23-04-1998
			DE 69129079 T	12-11-1998
			EP 0438216 A	24-07-1991
			ES 2113363 T	01-05-1998
			FI 910217 A	17-07-1991
			GR 3026407 T	30-06-1998
			IL 96938 A	26-05-1995
			JP 5001259 A	08-01-1993
			NO 304434 B	14-12-1998
			NZ 236760 A	26-08-1992
			PL 169280 B	28-06-1996
DE 4243471	A	23-06-1994	CZ 9501616 A	15-11-1995
			WO 9414908 A	07-07-1994
			EP 0675930 A	11-10-1995
			FI 953095 A	21-06-1995
			JP 8504859 T	28-05-1996
			NO 951253 A	31-03-1995
			SK 81095 A	08-11-1995
EP 449263	A	02-10-1991	JP 3279244 A	10-12-1991
			JP 2932620 B	09-08-1999
			JP 4057868 A	25-02-1992
			DE 69120125 D	18-07-1996
			DE 69120125 T	12-12-1996
			US 5385975 A	31-01-1995



PATENT COOPERATION TREATY

PCT

From the INTERNATIONAL BUREAU

NOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

OKABE, Masao
No. 602 Fuji Building
2-3, Marunouchi 3-chome
Chiyoda-ku
Tokyo 100-0005
JAPON

Date of mailing (day/month/year) 06 December 1999 (06.12.99)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference SCJ-15 WO	
International application No. PCT/JP99/03942	International filing date (day/month/year) 22 July 1999 (22.07.99)

1. The following indications appeared on record concerning:

☒ the applicant ☐ the inventor ☐ the agent ☐ the common representative

Name and Address JOHNSON PROFESSIONAL CO., LTD. Yamashita-cho SSK Building 22, Yamashita-cho Naka-ku Yokohama-shi Kanagawa 231-8691 Japan (for all designated States except US)	State of Nationality JP	State of Residence JP
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:

☒ the person ☐ the name ☐ the address ☐ the nationality ☐ the residence

Name and Address S.C. JOHNSON COMMERCIAL MARKETS, INC. 8310 16th Street Sturtevant, WI 53177-0902 United States of America (for all designated States except US)	State of Nationality US	State of Residence US
	Telephone No.	
	Facsimile No.	
	Teleprinter No.	

3. Further observations, if necessary:

4. A copy of this notification has been sent to:

☒ the receiving Office ☐ the designated Offices concerned
☐ the International Searching Authority ☐ the elected Offices concerned
☐ the International Preliminary Examining Authority ☐ other:

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer <i>S. Iguchi</i> Shinji IGARASHI
Facsimile No.: (41-22) 740.14.35	Telephone No.: (41-22) 338.83.38

SCJ-15W0 控

NOTIFICATION OF CHANGE OF PERSON

To : Commissioner of the Patent Office

1 Identification of the International Application
PCT/JP99/03942

2 Applicant

Name: S.C. JOHNSON COMMERCIAL MARKETS, INC.
Address: 8310 16th Street, Sturtevant,
WI 53177-0902 U.S.
Country of nationality: U.S.
Country of residence: U.S.



3 New Person

Relationship to the International Application:
Applicant for all designated States except U.S.A.

Name: S.C. JOHNSON COMMERCIAL MARKETS, INC.
Address: 8310 16th Street, Sturtevant,
WI 53177-0902 U.S.
Country of nationality: U.S.
Country of residence: U.S.

Relationship to the International Application:
Applicant for U.S.A. only and also Inventor for all designated States

Name: KONDO Tetsuro
Address: c/o Johnson Professional Co., Ltd.
Yamashita-cho SSK Bldg.,
22, Yamashita-cho, Naka-ku, Yokohama-shi, Kanagawa 231-8691, JAPAN
Country of nationality: JAPAN
Country of residence: JAPAN

Name: KIBUSE Hiroshi
Address: c/o Johnson Professional Co., Ltd.
Yamashita-cho SSK Bldg.,
22, Yamashita-cho, Naka-ku, Yokohama-shi, Kanagawa 231-8691, JAPAN
Country of nationality: JAPAN
Country of residence: JAPAN

4 Agent

Name: 6444 Patent Attorney
OKABE Masao

Signature

Address: No. 602 Fuji Bldg.,
2-3, Marunouchi 3-chome,
Chiyoda-ku, Tokyo 100-0005, JAPAN

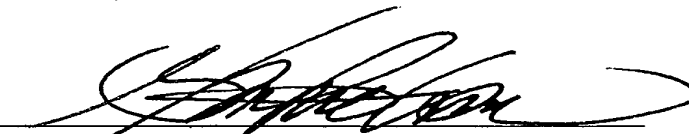
Agent

Name: A670 Patent Attorney
UBUKATA Kazuo

Signature Kazuo Ubukata

Address: No. 602 Fuji Bldg.,
2-3, Marunouchi 3-chome,
Chiyoda-ku, Tokyo 100-0005, JAPAN

Name: 9694 Patent Attorney
SHINICHI Usui

Signature 

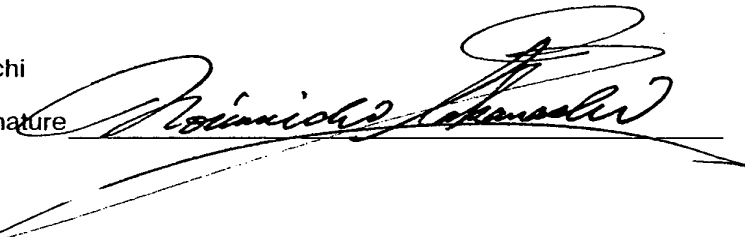
Address: ditto

Name: 9188 Patent Attorney
FUJINO Ikuo

Signature Ikuo Fujino

Address: ditto

Name: A280 Patent Attorney
TAKANASHI Norimichi

Signature 

Address: ditto

5 List of documents attached

Document certifying Power of Attorney

1 copy

POWER OF ATTORNEY

We, the undersigned, hereby appoint OKABE Masao, KATO Nobuaki, UBUKATA Kazuo, OKABE Yuzuru, USUI Shinichi, FUJINO Ikuo, OCHI Takao, MOTOMIYA Teruhisa, TAKANASHI Norimichi, ASahi Nobumitsu, TAKAHASHI Seichiro, YOSHIZAWA Hiroshi, HANAMURA Futoshi and TAKESHIMA Satoshi registered patent attorneys, as our attorneys and hereby grant the above named attorneys the power;

1. to act for us in all matters relating an international application number PCT/JP99/03942 under the Patent Cooperation Treaty, entitled "AQUEOUS FLOOR POLISHING COMPOSITION";
2. to act withdraw the above identified international application or the designation of any designated state, and;
3. to act in all matters relating to a demand for the international preliminary examination with respect to the above identified international application and to withdraw the demand or the election of any elected state.

Name: S.C. JOHNSON COMMERCIAL MARKETS, INC.

Address: 8310 16th Street, Sturtevant,
WI 53177-0902 U.S.A.

Title of Representative: Sr. Vice President, General Counsel & Secretary

Name of Representative: JoAnne Brandes

Signature: JoAnne Brandes

signed this 19th day of October, 1999

PATENT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
US Department of Commerce
United States Patent and Trademark
Office, PCT
2011 South Clark Place Room
CP2/5C24
Arlington, VA 22202
ETATS-UNIS D'AMERIQUE
in its capacity as elected Office

Date of mailing: 01 February 2001 (01.02.01)	
International application No.: PCT/JP99/03942	Applicant's or agent's file reference: SCJ-15 WO
International filing date: 22 July 1999 (22.07.99)	Priority date:
Applicant: KONDO, Tetsuro et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International preliminary Examining Authority on:
21 February 2000 (21.02.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was
☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer: J. Zahra Telephone No.: (41-22) 338.83.38
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PATENT COOPERATION TREATY

PCT

NOTIFICATION RELATING TO PRIORITY CLAIM

(PCT Rules 26bis.1 and 26bis.2 and
Administrative Instructions, Sections 402 and 409)

From the INTERNATIONAL BUREAU

To:

OKABE, Masao
No. 602 Fuji Building
2-3, Marunouchi 3-chome
Chiyoda-ku
Tokyo 100-0005
JAPON

Date of mailing (day/month/year) 28 September 1999 (28.09.99)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference SCJ-15 WO	
International application No. PCT/JP99/03942	International filing date (day/month/year) 22 July 1999 (22.07.99)
Applicant JOHNSON PROFESSIONAL CO., LTD. et al	

The applicant is hereby notified of the following in respect of the priority claim(s) made in the international application.

1. ☐ **Correction of priority claim.** In accordance with the applicant's notice received on: ,
the following priority claim has been corrected to read as follows:
 - ☐ even though the indication of the number of the earlier application is missing.
 - ☐ even though the following indication in the priority claim is not the same as the corresponding indication appearing in the priority document:
2. ☐ **Addition of priority claim.** In accordance with the applicant's notice received on: ,
the following priority claim has been added:
 - ☐ even though the indication of the number of the earlier application is missing.
 - ☐ even though the following indication in the priority claim is not the same as the corresponding indication appearing in the priority document:
3. ☐ As a result of the correction and/or addition of (a) priority claim(s) under items 1 and/or 2, the (earliest) priority date is:
4. ☒ **Priority claim considered not to have been made.**
 - ☒ The applicant failed to respond to the Invitation under Rule 26bis.2(a) (Form PCT/IB/316) within the prescribed time limit.
 - ☐ The applicant's notice was received after the expiration of the prescribed time limit under Rule 26bis.1(a).
 - ☐ The applicant's notice failed to correct the priority claim so as to comply with the requirements of Rule 4.10.

The applicant may, before the technical preparations for international publication have been completed and subject to the payment of a fee, request the International Bureau to publish, together with the international application, information concerning the priority claim. See Rule 26bis.2(c) and the PCT Applicant's Guide, Volume I, Annex B2(1B).
5. ☐ In case where multiple priorities have been claimed, the above item(s) relate to the following priority claim(s):
6. A copy of this notification has been sent to the receiving Office and
 - ☒ to the International Searching Authority (where the international search report has not yet been issued).
 - ☒ the designated Offices (which have already been notified of the receipt of the record copy).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Susumu Kubo
Facsimile No. (41-22) 740.14.35	Telephone No. (41-22) 338.83.38



From the
INTERNATIONAL PRELIMINARY EXAMINING AUTHORITY

To:

OKABE, Masao
602, Fuji Building
2-3, Marunouchi 3-chome
Chiyoda-ku
Tokyo 100-0005
JAPON

PCT

NOTIFICATION OF TRANSMITTAL OF
THE INTERNATIONAL PRELIMINARY
EXAMINATION REPORT
(PCT Rule 71.1)

Date of mailing
(day/month/year) 30.10.2001

Applicant's or agent's file reference
SCJ-15 WO

IMPORTANT NOTIFICATION

International application No.
PCT/JP99/03942

International filing date (day/month/year)
22/07/1999

Priority date (day/month/year)
22/07/1999

Applicant
S.C. JOHNSON COMMERCIAL MARKETS, INC. et al

1. The applicant is hereby notified that this International Preliminary Examining Authority transmits herewith the international preliminary examination report and its annexes, if any, established on the international application.
2. A copy of the report and its annexes, if any, is being transmitted to the International Bureau for communication to all the elected Offices.
3. Where required by any of the elected Offices, the International Bureau will prepare an English translation of the report (but not of any annexes) and will transmit such translation to those Offices.


4. REMINDER

The applicant must enter the national phase before each elected Office by performing certain acts (filing translations and paying national fees) within 30 months from the priority date (or later in some Offices) (Article 39(1)) (see also the reminder sent by the International Bureau with Form PCT/IB/301).

Where a translation of the international application must be furnished to an elected Office, that translation must contain a translation of any annexes to the international preliminary examination report. It is the applicant's responsibility to prepare and furnish such translation directly to each elected Office concerned.

For further details on the applicable time limits and requirements of the elected Offices, see Volume II of the PCT Applicant's Guide.

Name and mailing address of the IPEA/

 European Patent Office - P.B. 5818 Patentlaan 2
NL-2280 HV Rijswijk - Pays Bas
Tel. +31 70 340 - 2040 Tx: 31 651 epo nl
Fax: +31 70 340 - 3016

Authorized officer

Sinanovic, E



Tel. +31 70 340-2672



PCT

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference SCJ-15 WO		FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/JP99/03942	International filing date (day/month/year) 22/07/1999	Priority date (day/month/year) 22/07/1999	
International Patent Classification (IPC) or national classification and IPC C09G1/04			
Applicant S.C. JOHNSON COMMERCIAL MARKETS, INC. et al			
<p>1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.</p> <p>2. This REPORT consists of a total of 4 sheets, including this cover sheet.</p> <p><input checked="" type="checkbox"/> This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).</p> <p>These annexes consist of a total of 1 sheets.</p>			
<p>3. This report contains indications relating to the following items:</p> <ul style="list-style-type: none"> I <input checked="" type="checkbox"/> Basis of the report II <input type="checkbox"/> Priority III <input type="checkbox"/> Non-establishment of opinion with regard to novelty, inventive step and industrial applicability IV <input type="checkbox"/> Lack of unity of invention V <input checked="" type="checkbox"/> Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement VI <input type="checkbox"/> Certain documents cited VII <input checked="" type="checkbox"/> Certain defects in the international application VIII <input type="checkbox"/> Certain observations on the international application 			
Date of submission of the demand 21/02/2000		Date of completion of this report 30.10.2001	
Name and mailing address of the international preliminary examining authority:  European Patent Office - P.B. 5818 Patentlaan 2 NL-2280 HV Rijswijk - Pays Bas Tel. +31 70 340 - 2040 Tx: 31 651 epo nl Fax: +31 70 340 - 3016		Authorized officer Girard, Y Telephone No. +31 70 340 2558 	

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/JP99/03942

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17)*):

Description, pages:

1-14 as originally filed

Claims, No.:

1,2 as received on 25/01/2000 with letter of 20/01/2000

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/JP99/03942

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	1-2
	No:	Claims	
Inventive step (IS)	Yes:	Claims	1-2
	No:	Claims	
Industrial applicability (IA)	Yes:	Claims	1-2
	No:	Claims	

2. Citations and explanations
see separate sheet

VII. Certain defects in the international application

The following defects in the form or contents of the international application have been noted:
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/JP99/03942

Re Item V:

Prior art: US 5 676 741 A (D1); DE 4 243 471 A (D2); EP 0 449 263 A (D3)

Novelty (Art. 33(2) PCT): None of the available documents discloses an aqueous floor polish composition based on an acrylic-styrene emulsion and further comprising a styrene-butadiene copolymer latex. Novelty of present claim 1 is hereby established. The subject-matter of claim 2, i.e. a method of applying the novel floor polish of claim 1, is also novel.

Inventive step (Art. 33(3) PCT): None of the cited documents gives the slightest hint leading to the incorporation of styrene-butadiene copolymer latex in a floor polish as to improve the gloss restoration by buffing. The subject-matter of claims 1-2 is therefore inventive.

Re Item VII: Amended claim 1 introduces an inconsistency in the formulation of the claim: "solid styrene-butadiene ..." vs. "solids of an acrylic-styrene ...". The second expression appears to be preferable. The same remark applies to claim 2.

Printed: 25-10-2001

CLMSPAMD

99931500-JP9903942

PCT/JP99703942

25 JAN 2000

10/030604

- 15 -

531 Rec'd PCT/PT 09 JAN 2002

CLAIMS

1. An aqueous floor polishing composition comprising 5 to 100 parts by weight of a solid styrene-butadiene type copolymer emulsion based on 100 parts solids of an acrylic-styrene type resin emulsion.

2. A method of imparting gloss to a flooring surface and maintaining said gloss comprising:

a) applying to a floor an aqueous floor polishing composition containing 5 to 100 parts by weight of a solid styrene-butadiene type copolymer emulsion based on 100 parts solids of an acrylic-styrene type resin emulsion;

b) allowing said composition to dry to form a glossy film on said floor; and

c) periodically washing said film with water and thereafter buffing said film with a high-speed polisher to restore said gloss.